

***NATIONAL WEATHER SERVICE POLICY DIRECTIVE 30-11
NOVEMBER 20, 2002***

Maintenance, Logistics, & Facilities

ENGINEERING MODIFICATIONS

NOTICE: This publication is available at: <http://www.nws.noaa.gov/directives/>.

OPR: OPS11 (D. Bosco)
Type of Issuance: Initial

Certified by: OPS (J. McNulty, Jr.)

SUMMARY OF REVISIONS: This directive supercedes WSOM Chapter H-01, “Engineering Program”, Issuance 80-22, dated December 4, 1980.

1. Periodically equipment (systems, units, or components), used by the National Weather Service (NWS) in support of its operational mission of providing warnings and forecasts, must be upgraded, modified or retired. Changes to the equipment are called engineering modifications.
 - 1.1 Temporary engineering modifications change the equipment for a limited period of time, in order to perform a special test or mission.
 - 1.2 Permanent engineering modifications change the equipment to correct material deficiencies, improve reliability and maintainability, improve performance, add or remove capability, or correct deficiencies that could endanger the safety or health of personnel, or cause extensive damage to systems or equipment.
2. The objective of this directive is to establish policy for managing engineering modification programs for NWS equipment.
3. This directive establishes the following authorities and responsibilities:
 - 3.1 The Assistant Administrator (AA) for Weather Services is responsible for ensuring compliance with engineering modifications policy.
 - 3.2 The Office of Operational Systems (OPS) is responsible for establishing engineering modifications policy, monitoring performance requirements, certifying requests for modification, preparing modification notes and instructions, tracking, and validating performance for modification programs. The OPS Field Systems Operations Center, Test and Evaluation Branch, in coordination with the regional Systems Operations Divisions, is responsible for testing modifications for field systems.

3.3 The Systems Operations Divisions at NWS Regional Headquarters are responsible for initially reviewing modifications, forwarding recommendations to OPS, and, in coordination with OPS, implementing modifications for field systems.

4. NWS will measure effectiveness with this policy directive by evaluating the actual operational availability of equipment, and accuracy of data collection and dissemination systems, as reported in the Engineering Management Reporting System.

5. This policy directive is supported by references and the glossary of terms listed in Attachment 1.

<u>Signed by</u>	<u>11/6/02</u>
John J. Kelly, Jr.	Date
Assistant Administrator	
for Weather Services	

Attachment 1

GLOSSARY OF TERMS

Engineering Modifications - Changes to equipment (system, unit, or component) required to fulfill a mission need.

Temporary Modifications - Changes to equipment (system, unit, or component) for a limited period of time in order to perform special tests or missions.

Permanent Modifications - Changes to equipment (system, unit, or component) to correct material deficiencies, improve reliability and maintainability, improve performance, add or remove capability, or correct deficiencies which could endanger the safety or health of personnel, or cause extensive damage to systems or equipment.

